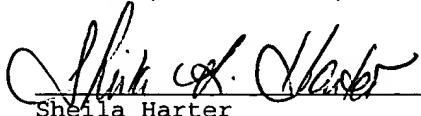




PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on June 2, 2005.



Sheila Harter

Appl No. : 09/784,419 Confirmation No. 5061
Applicant : Jun Cao
Filed : February 15, 2001
Title : LINEAR FULL RATE PHASE DETECTOR AND CLOCK DATA RECOVERY CIRCUIT

TC/A.U. : 2633
Examiner : David C. Payne

Docket No. : 50987/RJP/B600
Customer No. : 23363

**RESPONSE TO NOTICE OF INFORMAL APPLICATION
(Attachment to Supplemental Notice of Allowability)**

Mail Stop Issue Fee
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Post Office Box 7068
Pasadena, CA 91109-7068
June 2, 2005

Commissioner:

Applicants respond as follows to the Notice of Informal Application (Attachment to Supplemental Notice of Allowability) dated March 2, 2005:

In response to Item A (10), Applicants originally filed an **executed** Declaration with their Response to Missing Parts of Application on April 26, 2001. Also, pursuant to a telephone conversation with the Examiner, Applicants again provided a copy of the **executed** Declaration via facsimile on January 28, 2005.

Appln No. 09/784,419
Amdt date June 2, 2005
Reply to Office action of March 2, 2005

A copy of Applicants' facsimile response (including the **executed** declaration) and USPTO Auto-Reply Facsimile Transmission confirming receipt are enclosed.

Respectfully submitted,
CHRISTIE, PARKER & HALE, LLP

By 
Colin Dorrian
Reg. No. 54,658
626/795-9900

CTD/srh
Enclosures
SH PAS626468.1--06/2/05 11:34 AM



JUN 07 2005

UNITED STATES PATENT AND TRADEMARK OFFICE

26/33
 COMMISSIONER FOR PATENTS
 UNITED STATES PATENT AND TRADEMARK OFFICE
 WASHINGTON, D.C. 20231
 www.uspto.gov

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
09/784,419	02/15/2001	Jun Cao	19717-001210US

20350
 TOWNSEND AND TOWNSEND AND CREW
 TWO EMBARCADERO CENTER
 EIGHTH FLOOR
 SAN FRANCISCO, CA 94111-3834

CONFIRMATION NO. 5061
 FORMALITIES LETTER



OC000000005914804

Date Mailed: 03/29/2001

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given TWO MONTHS from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is unsigned.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- The balance due by applicant is \$ 130.

The application is informal since it does not comply with the regulations for the reason(s) indicated below. Applicant is given TWO MONTHS from the date of this Notice within which to correct the informalities indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- Substitute drawings in compliance with 37 CFR 1.84 because:
 - drawing sheets do not have the appropriate margin(s) (see 37 CFR 1.84(g)). Each sheet must include a top margin of at least 2.5 cm. (1 inch), a left side margin of at least 2.5 cm. (1 inch), a right side margin of at least 1.5 cm. (5/8 inch), and a bottom margin of at least 1.0 cm. (3/8 inch);
 - drawings submitted to the Office are not electronically reproducible. Drawing sheets must be submitted on paper which is flexible, strong, white, smooth, non-shiny, and durable (see 37 CFR 1.84(e));

Shawef
Customer Service Center
Initial Patent Examination Division (703) 308-1202
PART 2 - COPY TO BE RETURNED WITH RESPONSE



Auto-Reply Facsimile Transmission



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Fax Information

Date Received:

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01/28/2005 16:28 FAX 626 577 8800	CHRISTIE, PARKER & HALE	0001/007
facsimile TRANSMITTAL		
Date: January 28, 2005		
No. of Pages: 7 (including this cover sheet)		
Fax No.: (703) 672-9306		
PLEASE DELIVER THE FOLLOWING PAGES IMMEDIATELY TO:		
Name: Commissioner of Patents		
Art Unit: 2633		
Examiner: David Payne		
Phone: (571) 272-3024		
From: Colin Dorrian Reg No. 54,658		
Re: Application No. 09/784,419; Filed February 15, 2001 Entitled LINEAR FULL-RATE PHASE DETECTOR AND CLOCK AND DATA RECOVERY CIRCUIT		
File: 50987/CTD/B600		
Responsive to your request, enclosed is a copy of Applicants' Response to Missing Parts filed April 26, 2001, which includes the executed Declaration. We have omitted the revised drawings. Please contact me if you have any other questions (626) 683-4558.		
I HEREBY CERTIFY THAT THIS PAPER IS BEING FACSIMILE TRANSMITTED TO THE UNITED STATES PATENT AND TRADEMARK OFFICE ON January 28, 2005. Sheila Harter		
*Correspondence: Response to Missing Parts filed April 26, 2001		
Christie, Parker & Hale, LLP 350 West Colorado Boulevard Post Office Box 7068 Pasadena, CA 91109-7068 626-755-9200 Fax: 626-577-8400		
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350 West Colorado Boulevard
Post Office Box 7068
Pasadena, CA 91109-7068
626-795-9900
Fax: 626-577-8800

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UNITED STATES PATENT AND TRADEMARK OFFICE

Mailing Date: April 26, 2001

File No.: 019717-001210US Attorney JMZ/djb

Serial No.: 09/784,419 Filed: February 15, 2001

Inventor(s): Jun Cao

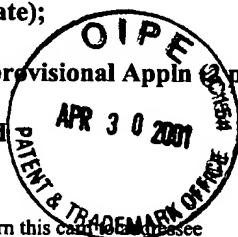
Title: LINEAR FULL-RATE PHASE DETECTOR AND CLOCK AND DATA RECOVERY CIRCUIT

1. Fee Transmittal (1 page submitted in duplicate);
2. Transmittal Form (1 page);
3. Copy of Notice to File Missing Parts of Nonprovisional Appln (2 pages);
4. Executed Declaration (1 page);
5. Corrected informal drawings (11 pages); and
6. Return Postcard

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PA 3141452 v1

MAY 09 2001



UNITED STATES PATENT AND TRADEMARK OFFICE

Mailing Date: April 26, 2001

File No.: 019717-001210US Attorney JMZ/djb

Serial No.: 09/784,419 Filed: February 15, 2001

Inventor(s): Jun Cao

Title: LINEAR FULL-RATE PHASE DETECTOR AND CLOCK AND DATA RECOVERY CIRCUIT

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OFFICE TRANSMITTAL for FY 2001

JUN 07 2005

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT

(\$ 130)

Complete If Known	
Application Number	09/784,419
Filing Date	February 15, 2001
First Named Inventor	Cao, Jun
Examiner Name	Unassigned
Group Art Unit	2818
Attorney Docket No.	19717001210

METHOD OF PAYMENT				FEE CALCULATION (continued)																																																																																																																																																																																																																																																																																																								
<p>1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:</p> <p>Deposit Account Number 20-1430</p> <p>Deposit Account Name Townsend and Townsend and Crew LLP</p> <p><input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17</p> <p><input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27</p>				<p>3. ADDITIONAL FEES</p> <table border="1"> <thead> <tr> <th>Large Fee Code</th> <th>Entity Fee (\$)</th> <th>Small Fee Code (\$)</th> <th>Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>105</td><td>130</td><td>205</td><td>65</td><td>Surcharge - late filing fee or oath</td><td>130</td></tr> <tr><td>127</td><td>50</td><td>227</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet.</td><td></td></tr> <tr><td>139</td><td>130</td><td>139</td><td>130</td><td>Non-English specification</td><td></td></tr> <tr><td>147</td><td>2,520</td><td>147</td><td>2,520</td><td>For filing a request for reexamination</td><td></td></tr> <tr><td>112</td><td>920*</td><td>112</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>113</td><td>1,840*</td><td>113</td><td>1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>115</td><td>110</td><td>215</td><td>55</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>116</td><td>390</td><td>216</td><td>195</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>117</td><td>890</td><td>217</td><td>445</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>118</td><td>1,390</td><td>218</td><td>695</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>128</td><td>1,890</td><td>228</td><td>945</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>119</td><td>310</td><td>219</td><td>155</td><td>Notice of Appeal</td><td></td></tr> <tr><td>120</td><td>310</td><td>220</td><td>155</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>121</td><td>270</td><td>221</td><td>135</td><td>Request for oral hearing</td><td></td></tr> <tr><td>138</td><td>1,510</td><td>138</td><td>1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>140</td><td>110</td><td>240</td><td>55</td><td>Petition to revive - unavoidable</td><td></td></tr> <tr><td>141</td><td>1,240</td><td>241</td><td>620</td><td>Petition to revive - unintentional</td><td></td></tr> <tr><td>142</td><td>1,240</td><td>242</td><td>620</td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td>143</td><td>440</td><td>243</td><td>220</td><td>Design issue fee</td><td></td></tr> <tr><td>144</td><td>600</td><td>244</td><td>300</td><td>Plant issue fee</td><td></td></tr> <tr><td>122</td><td>130</td><td>122</td><td>130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>123</td><td>50</td><td>123</td><td>50</td><td>Petitions related to provisional applications</td><td></td></tr> <tr><td>126</td><td>180</td><td>126</td><td>180</td><td>Submission of Information Disclosure Stmt</td><td></td></tr> <tr><td>581</td><td>40</td><td>581</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td></td></tr> <tr><td>146</td><td>710</td><td>246</td><td>355</td><td>Filing a submission after final rejection (37 CFR § 1.129(a))</td><td></td></tr> <tr><td>149</td><td>710</td><td>249</td><td>355</td><td>For each additional invention to be examined (37 CFR § 1.129(b))</td><td></td></tr> <tr><td>179</td><td>710</td><td>279</td><td>355</td><td>Request for Continued Examination (RCE)</td><td></td></tr> <tr><td>169</td><td>900</td><td>169</td><td>900</td><td>Request for expedited examination of a design application</td><td></td></tr> <tr> <td colspan="4">SUBTOTAL (1) (\$)</td> <td colspan="4">Other fee (specify)</td> </tr> <tr> <td colspan="4">2. EXTRA CLAIM FEES</td> <td colspan="4">The Commissioner is authorized to charge any additional fees to the above noted Deposit Account.</td> </tr> <tr> <td>Total Claims</td> <td>-20**</td> <td>=</td> <td>Extra Claims</td> <td>X</td> <td>Fee from below</td> <td>=</td> <td>Fee Paid</td> </tr> <tr> <td>Independent Claims</td> <td>-3**</td> <td>=</td> <td></td> <td>X</td> <td></td> <td>=</td> <td></td> </tr> <tr> <td>Multiple Dependent</td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td>=</td> <td></td> </tr> <tr> <td colspan="4"> <table border="1"> <thead> <tr> <th>Large Fee Code</th> <th>Entity Fee (\$)</th> <th>Small Fee Code (\$)</th> <th>Entity Fee (\$)</th> <th>Fee Description</th> </tr> </thead> <tbody> <tr><td>103</td><td>18</td><td>203</td><td>9</td><td>Claims in excess of 20</td></tr> <tr><td>102</td><td>80</td><td>202</td><td>40</td><td>Independent claims in excess of 3</td></tr> <tr><td>104</td><td>270</td><td>204</td><td>135</td><td>Multiple dependent claim, if not paid</td></tr> <tr><td>109</td><td>80</td><td>209</td><td>40</td><td>** Reissue independent claims over original patent</td></tr> <tr><td>110</td><td>18</td><td>210</td><td>9</td><td>** Reissue claims in excess of 20 and over original patent</td></tr> </tbody> </table> </td> <td colspan="4"> <table border="1"> <thead> <tr> <th>Large Fee Code</th> <th>Entity Fee (\$)</th> <th>Small Fee Code (\$)</th> <th>Entity Fee (\$)</th> <th>Fee Description</th> </tr> </thead> <tbody> <tr><td>146</td><td>710</td><td>246</td><td>355</td><td>Filing a submission after final rejection (37 CFR § 1.129(a))</td></tr> <tr><td>149</td><td>710</td><td>249</td><td>355</td><td>For each additional invention to be examined (37 CFR § 1.129(b))</td></tr> <tr><td>179</td><td>710</td><td>279</td><td>355</td><td>Request for Continued Examination (RCE)</td></tr> <tr><td>169</td><td>900</td><td>169</td><td>900</td><td>Request for expedited examination of a design application</td></tr> </tbody> </table> </td> </tr> <tr> <td colspan="4">SUBTOTAL (2) (\$)</td> <td colspan="4">Other fee (specify)</td> </tr> <tr> <td colspan="4">*Reduced by Basic Filing Fee Paid</td> <td colspan="4">SUBTOTAL (3) (\$130)</td> </tr> </tbody> </table>				Large Fee Code	Entity Fee (\$)	Small Fee Code (\$)	Entity Fee (\$)	Fee Description	Fee Paid	105	130	205	65	Surcharge - late filing fee or oath	130	127	50	227	25	Surcharge - late provisional filing fee or cover sheet.		139	130	139	130	Non-English specification		147	2,520	147	2,520	For filing a request for reexamination		112	920*	112	920*	Requesting publication of SIR prior to Examiner action		113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action		115	110	215	55	Extension for reply within first month		116	390	216	195	Extension for reply within second month		117	890	217	445	Extension for reply within third month		118	1,390	218	695	Extension for reply within fourth month		128	1,890	228	945	Extension for reply within fifth month		119	310	219	155	Notice of Appeal		120	310	220	155	Filing a brief in support of an appeal		121	270	221	135	Request for oral hearing		138	1,510	138	1,510	Petition to institute a public use proceeding		140	110	240	55	Petition to revive - unavoidable		141	1,240	241	620	Petition to revive - unintentional		142	1,240	242	620	Utility issue fee (or reissue)		143	440	243	220	Design issue fee		144	600	244	300	Plant issue fee		122	130	122	130	Petitions to the Commissioner		123	50	123	50	Petitions related to provisional applications		126	180	126	180	Submission of Information Disclosure Stmt		581	40	581	40	Recording each patent assignment per property (times number of properties)		146	710	246	355	Filing a submission after final rejection (37 CFR § 1.129(a))		149	710	249	355	For each additional invention to be examined (37 CFR § 1.129(b))		179	710	279	355	Request for Continued Examination (RCE)		169	900	169	900	Request for expedited examination of a design application		SUBTOTAL (1) (\$)				Other fee (specify)				2. 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142	1,240	242	620	Utility issue fee (or reissue)																																																																																																																																																																																																																																																																																																								
143	440	243	220	Design issue fee																																																																																																																																																																																																																																																																																																								
144	600	244	300	Plant issue fee																																																																																																																																																																																																																																																																																																								
122	130	122	130	Petitions to the Commissioner																																																																																																																																																																																																																																																																																																								
123	50	123	50	Petitions related to provisional applications																																																																																																																																																																																																																																																																																																								
126	180	126	180	Submission of Information Disclosure Stmt																																																																																																																																																																																																																																																																																																								
581	40	581	40	Recording each patent assignment per property (times number of properties)																																																																																																																																																																																																																																																																																																								
146	710	246	355	Filing a submission after final rejection (37 CFR § 1.129(a))																																																																																																																																																																																																																																																																																																								
149	710	249	355	For each additional invention to be examined (37 CFR § 1.129(b))																																																																																																																																																																																																																																																																																																								
179	710	279	355	Request for Continued Examination (RCE)																																																																																																																																																																																																																																																																																																								
169	900	169	900	Request for expedited examination of a design application																																																																																																																																																																																																																																																																																																								
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2. EXTRA CLAIM FEES				The Commissioner is authorized to charge any additional fees to the above noted Deposit Account.																																																																																																																																																																																																																																																																																																								
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Multiple Dependent				X		=																																																																																																																																																																																																																																																																																																						
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SUBMITTED BY						Complete (if applicable)	
Name (Print/Type)	J. Matthew Zigmant	Registration No. (Attorney/Agent)	44,005	Telephone	650-326-2400		
Signature	<i>J. Matthew Zigmant</i>			Date	April 26, 2001		

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Application Number	09/784,419
Filing Date	February 15, 2001
First Named Inventor	Cao, Jun
Group Art Unit	2816
Examiner Name	Unassigned
Total Number of Pages in This Submission	19717001210

ENCLOSURES (check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input checked="" type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment / Response	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition Routing Slip (PTO/SB/69) and Accompanying Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	copy of Notice to File Missing Parts of NonProvisional Application; Executed Declaration; Return postcard
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s)	
<input type="checkbox"/> Response to Missing Parts/ Incomplete Application		
<input checked="" type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		
	Remarks	The Commissioner is authorized to charge any additional fees to Deposit Account 20-1430.

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm and Individual name	Townsend and Townsend and Crew LLP J. Matthew Zigmant	
Signature		
Date	Reg No. 44,005 April 26, 2001	

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